VESELOV, G. M.

1444. Rezaniye merzlogo grunta elementernymi profilyami. M., 1954. 16 s. 20 sm. (Akad. nauk SSSR. In-t gornogo dela). 100 ekz. B. ts. -(54-54862)

SO: Knizhaya Letopis', Vol. 1, 1955

VESELOV, G. M.

"Cutting Frozen Ground With Simple-Profile Cutters". Cand Tech Sci, Inst of Mining, Acad Sci USSR, 7 Jan 55. (VM, 28 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

VESELOV G.M.

ZELENIN, A.N., VESELOV, G.M.

Investigation on cutting frozen ground. Trudy Inst. gor. dela (MLRA 10:6)
4:57-72 '57.
(Mining engineering) (Frozen ground)

Veselov, G.M.

ZELENIN, A.N., doktor tekhn.nauk (Moskva); VESELOV, G.M., kand.tekhn. nauk (Moskva); STEPANOV, A.P., inzh. (Moskva)

Features of the change in strength of frozen ground following deterioration. Stroi. pred. neft. prom. 2 no.12:7-11 D '57. (MIRA 11:3)

(Frozen ground)

VESELOV G.M.

KONYASHIN, Yu.G., kand.tekhn.nauk; VESELOV, G.M., kand.tekhn.nauk.

Using the experience of an efficient worker of the Road Scientific Research Institute for evaluating resistance of frozen and thawed grounds to grading. Stroi. i dor. mashinostr. 2 no.12:14-15 D '57. (MIRA 11:2)

(Frozen ground) (Excavation)

VESELOV, G.M., kand.tekhn.nauk; KONYASHIN, Yu.G., kand.tekhn.nauk

Efficiency of using high-speed water jets for cutting sandstones and shales. Nauch.soob.Inst.gor.dela 5:101-107 '60. (MIRA 15:1)
(Hydraulic mining)

BARON, Lazar' Izrailevich, prof., doktor tekhn. nauk; VESELOV, Georgiy Mikhaylovich; KONYASHIN, Yuriy Gavrilovich; GEYMAN, L.M., red. izd-va; POLYAKOVA, T.V., tekhn. red.

[Experimental studies of the breaking of rocks by percussion drilling] Eksperimental'nye issledovaniia protsessov razrusheniia gornykh porod udarom. Moskva, Izd-vo Akad. nauk SSSR, 1962. 217 p. (MIRA 15:5)
(Boring) (Rocks—Testing)

VESELOV, G.M.

Changes in the strength characteristics of frozen ground depending on its moisture. Fiz. mekh. svois., dav. i razr. gor. porod. no.2: 127-130 '63. (MIRA 17:1)

VESELOV, G.M.; KONYASHIN, Yu.G.; RODIONOV, N.S.

Method of measuring the volume of a cut-hole in single strike rock breaking. Fiz. mekh. svois., dav. i razr. gor. porod. no.2:107-108 '63. (MIRA 17:1)

VESELOV, G.M., kand. tekhn. nauk; STEPANOV, A.P., kand. tekhn. nauk

Experimental determination of coefficients of friction of frozen ground. Nauch. soob. IGD 15:137-139 '62. (MIRA 17:2)

VESELOV, G.M., kand.tekhn.nauk

Correlation of the indices of the resistance of rocks to breaking with the temporary resistance to crushing. Nauch. soob. IGD 21:111-117 '63. (MIRA 17:2)

KONYASHIN, Yu.G., kand. tekhn. nauk; VESELOV, G.M.

Using high-speed impulse jets to cut rocks. Nauch. soob. IGD 20:106-118 '63. (MIRA 16:10)

(Hydraulic mining—Equipment and supplies)

VESELKOV, G.P.

Optimization of cascaded Tshebyshev transformers. Izv. vys. ucheb. zav.; radiotekh. 6 no.3:316-319 My-Je '63. (MIRA 16:9)

1. Rekomendovano kafedroy radioperedayushchikh ustroystv Taganrogskogo radiotekhnicheskogo instituta.
(Radio lines) (Wave guides) (Electric transformers)

MURAV'YEV, I.S.; IVANOV, Ye.Ye.; VESELOV, G.S.

Facies of the terrigenous Devonian on the eastern slope of the northern dome of the Tatar arch. Trudy VNIGNI no.20:38-52 '59. (MIRA 13:6)

(Tatar A.S.S.R.—Geology, Stratigraphic)

YEL'NIK, A.G.; VESELOV, G.V.

Investigating noise on the motorship "Beloretsk". Inform. sbor. TSNIIMF no.96. Tekh. ekspl. mor. flota no.23:30-39 '63 (MIRA 18:1)

VESELOV, I.

We are increasing the output of sledges and arcs. Prom.koop. no.12:50-51 D '55. (MLRA 9:5)

1. Nachal'nik Otdela tekhnicheskogo kontrolya arteli "Avangard" Kalininskogo oblispromsoyuzy.
(Sleighs and sledges) (Harness)

VESELKOV, I.A.

Phase stabilization in a one-stage resonance amplifier by means of feedback. Izv. TPI 105:187-189 '60. (MIRA 16:8)

1. Predstavleno nauchnym seminarom radiotekhnicheskogo fakul'teta Tomskogo ordena Trudovogo Krasnogo Znameni politekhnicheskogo instituta imeni Kirova.
(Amplifiers (Electronics))

VISHNEVSKIY, A.S.; KHODYKIN, A.V.; Prinimali uchastiye: VESELOV, I.A., vrach; PINCHUKOV, Ye.F., vrach; GLUSHKO, B.I., vrach; CHVAMANIYA, A.Ye., vrach; FILIPPOVA, Ye.I., vrach; GOLUBOVA, L.M., vrach; SHEVCHENKO, M.M., vrach; MALYGINA, V.F., vrach

Sanatorium and health resort treatment of chronic pancreatitis (immediate and late results). Trudy TSIU 72:110-122 '64. (MIRA 18:11)

1. Kafedra kurortnoy terapii (zav. prof. A.S. Vishnevskiy) TSentral'nogo instituta usovershenstvovaniya vrachey.

VESELOV, I.G.; LEBEDEV, V.A., red.; SHERMUSHENKO, T.A., tekhn.red.

[Perennial cultivated pastures] Dolgoletnie kul'turnye pastbishcha. Leningrad, Lenizdat, 1960. 161 p. (MIRA 13:11)

(Pastures and meadows)

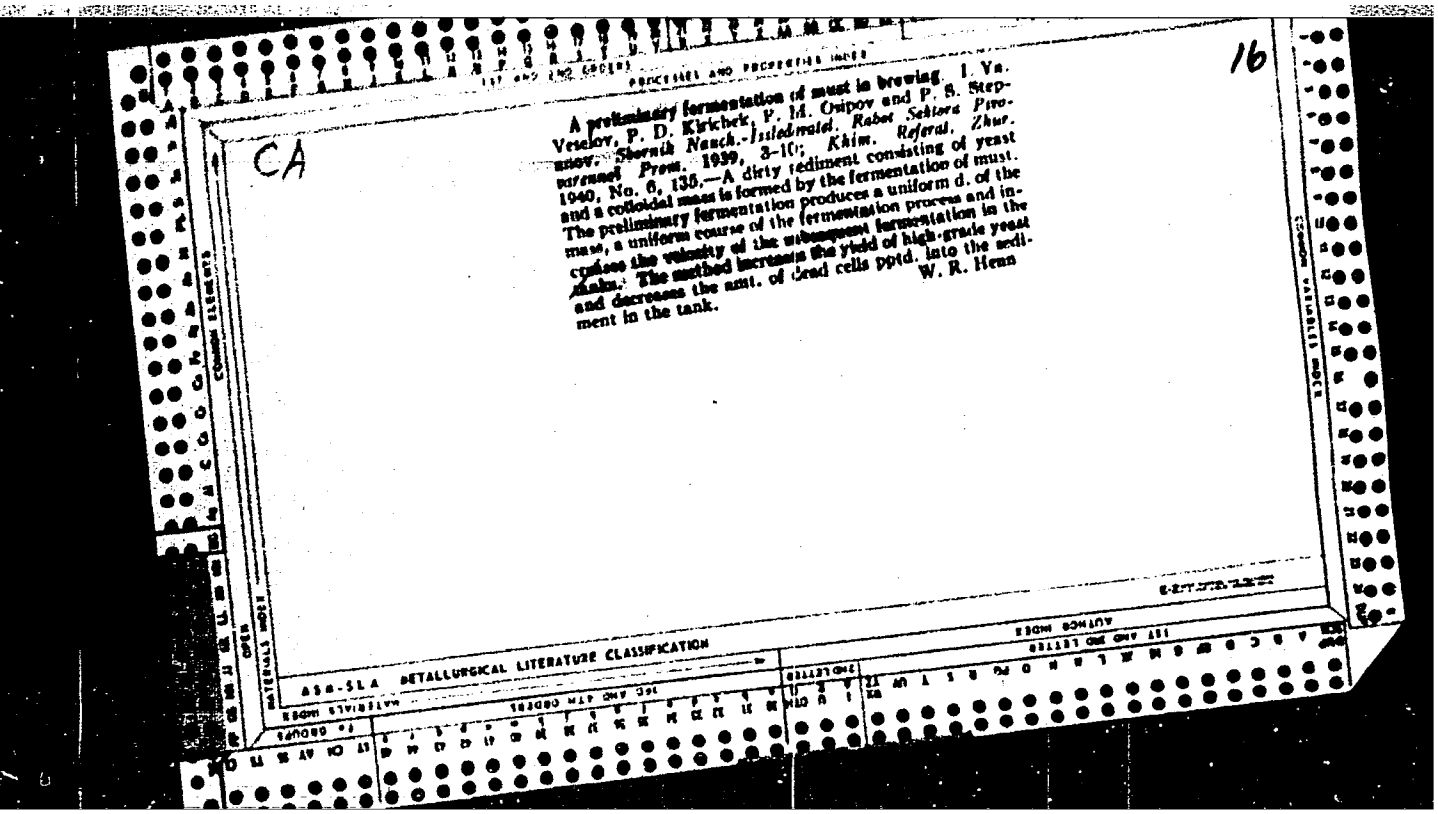
VESELOV, I.V.; AVER'YANOV, V.M., energetik

Concerning the improvement in the training of specialists in the field of electrification of industrial enterprises. Prom. energ. 16 no.4:49-50 Ap '61. (MIRA 14:9)

1. Rizhskiy superfosfatnyy zavod (for Veselov).
(Electrification)
(Electric engineering—Education and training)

VESELOV, I.Ya.

Book reviews. Prikl. biokhim. i mikrobiol. 1 no.2:253-255 Mr-Ap '65. (MIRA 18:11)

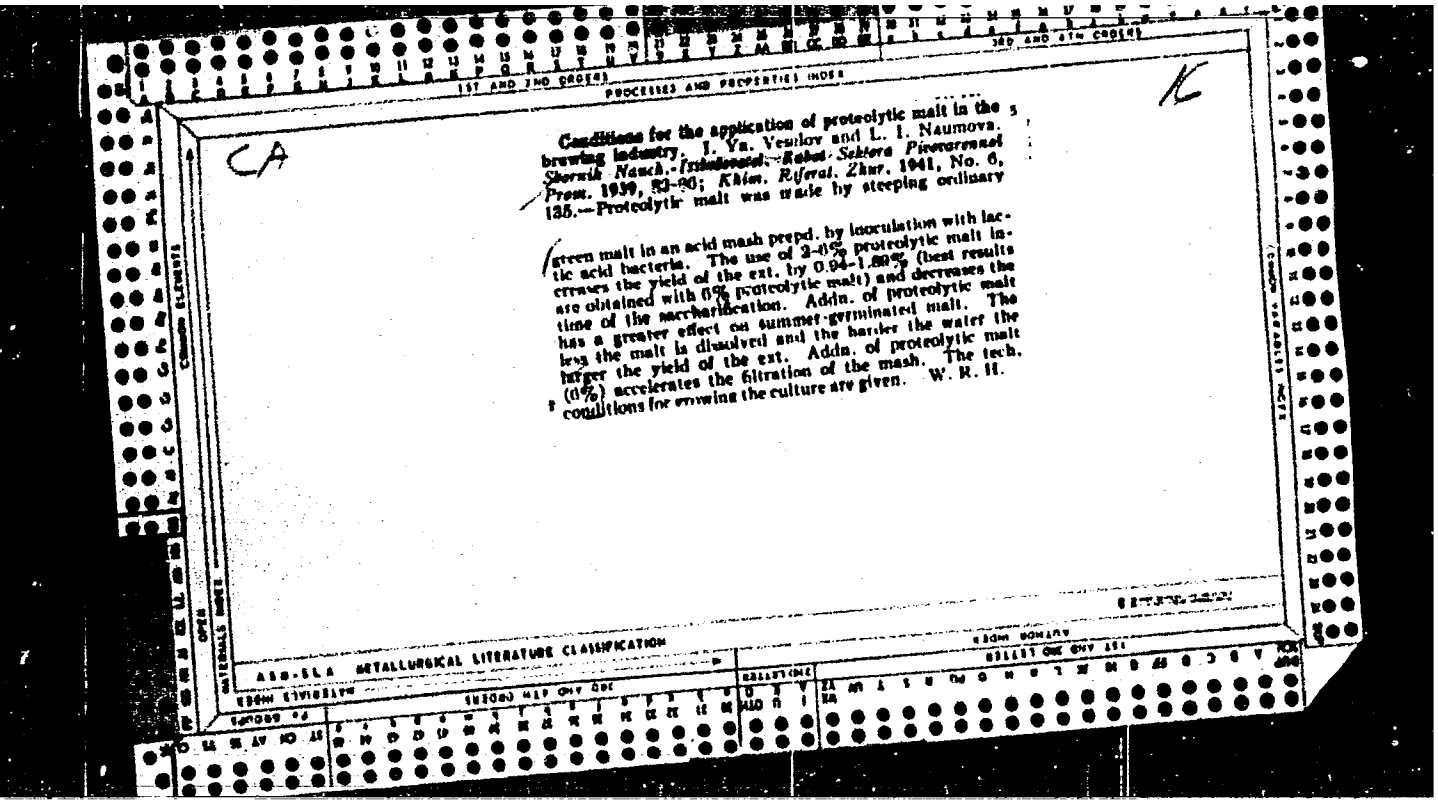


CA

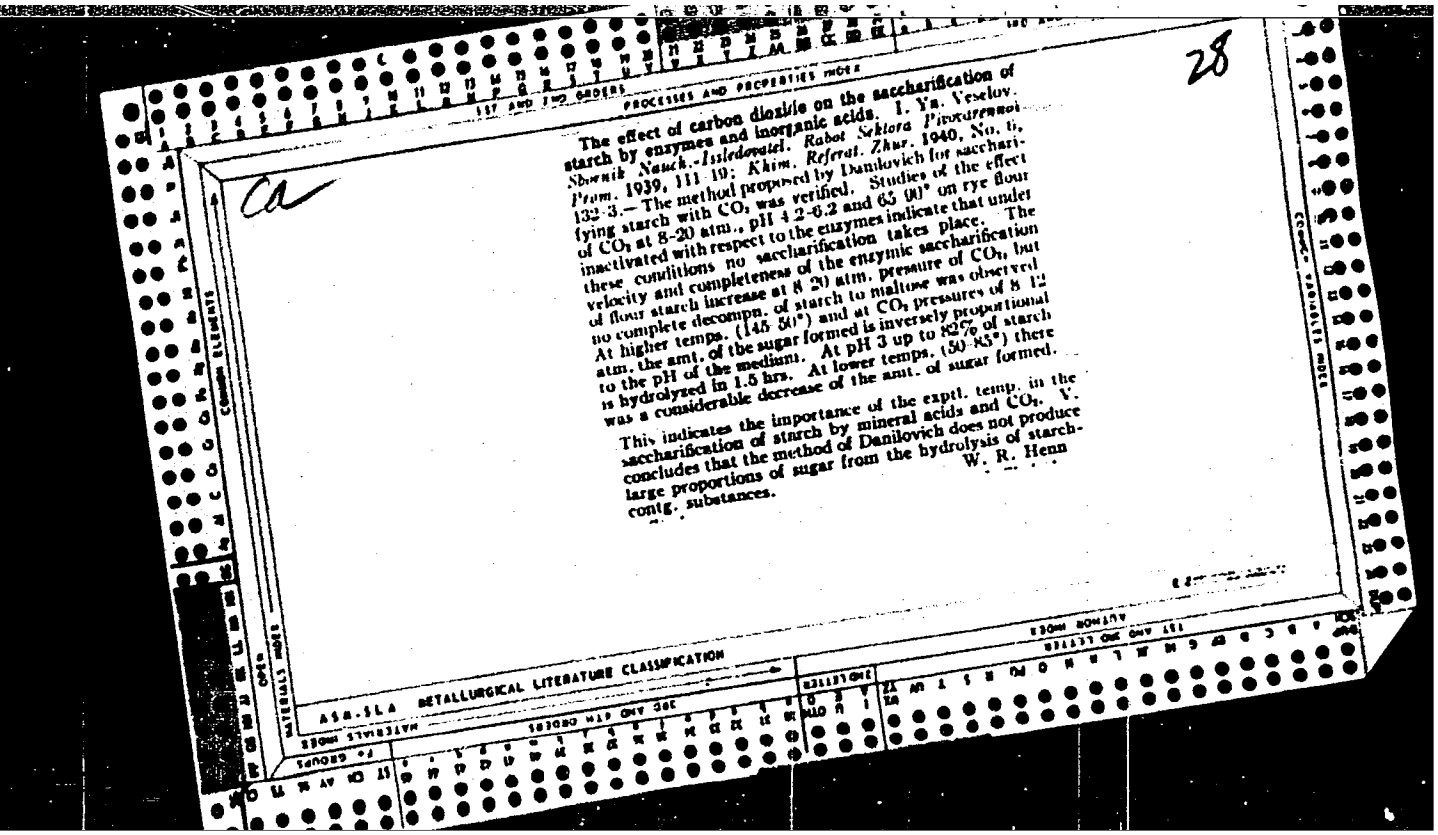
16

A preliminary fermentation of must in brewing. I. Va. Vrielov, P. D. Kirichek, V. M. Osipov and P. S. Stepanov. *Sbornik Nauch.-Issledovatel. Rabot Sektora Pivovarenil Prom.* 1939, 3-10; *Khim. Referat. Zhur.* 1940, No. 6, 135.—A dirty sediment consisting of yeast and a colloidal mass is formed by the fermentation of must. The preliminary fermentation produces a uniform d. of the mass, a uniform course of the fermentation process and increases the velocity of the subsequent fermentation in the tanks. The method increases the yield of high-grade yeast and decreases the amt. of dead cells ppted. into the sediment in the tank.

W. R. Henn



Conditions for the application of proteolytic malt in the brewing industry. I. Ya. Vesilov and L. I. Naumova. *Sborník Nauch.-Issledovatel. Rabot Sektora Pivovarennoi Prom.* 1939, 83-90; *Khim. Referat. Zhur.* 1941, No. 6, 135.—Proteolytic malt was made by steeping ordinary green malt in an acid mash prepd. by inoculation with lactic acid bacteria. The use of 2-6% proteolytic malt increases the yield of the ext. by 0.94-1.88% (best results are obtained with 6% proteolytic malt) and decreases the time of the saccharification. Addn. of proteolytic malt has a greater effect on summer-germinated malt. The less the malt is dissolved and the harder the water the larger the yield of the ext. Addn. of proteolytic malt (6%) accelerates the filtration of the mash. The tech. conditions for growing the culture are given. W. R. H.

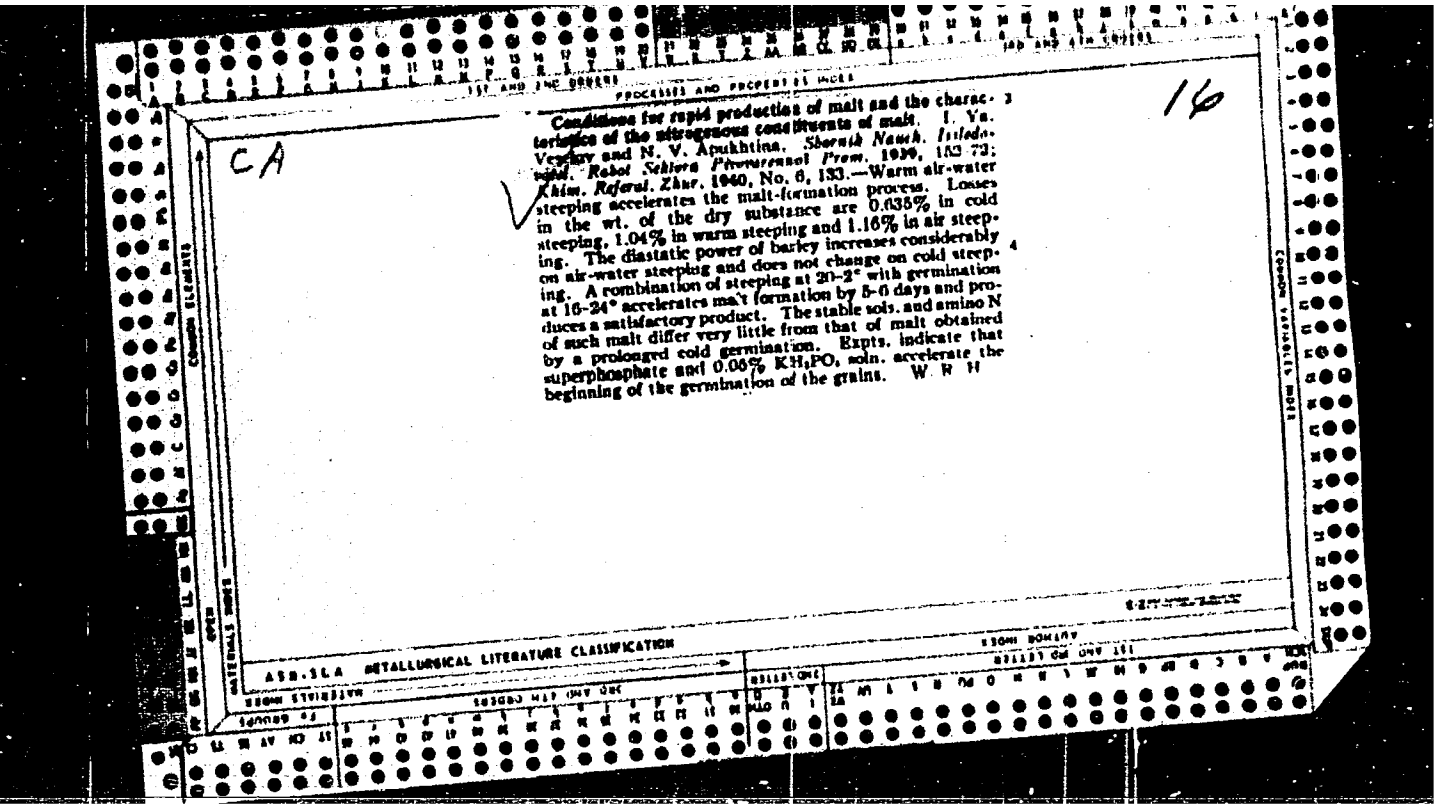


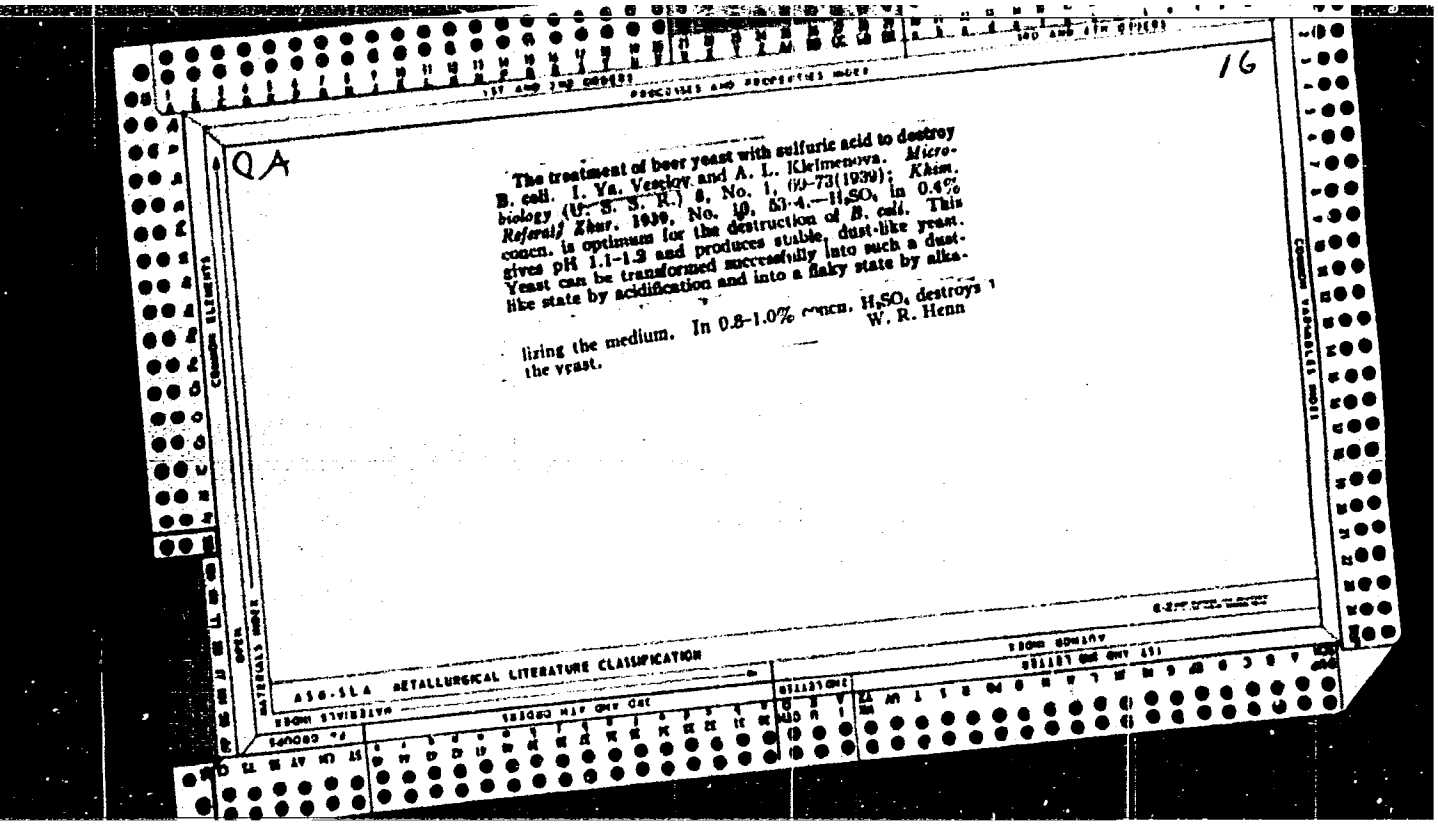
28

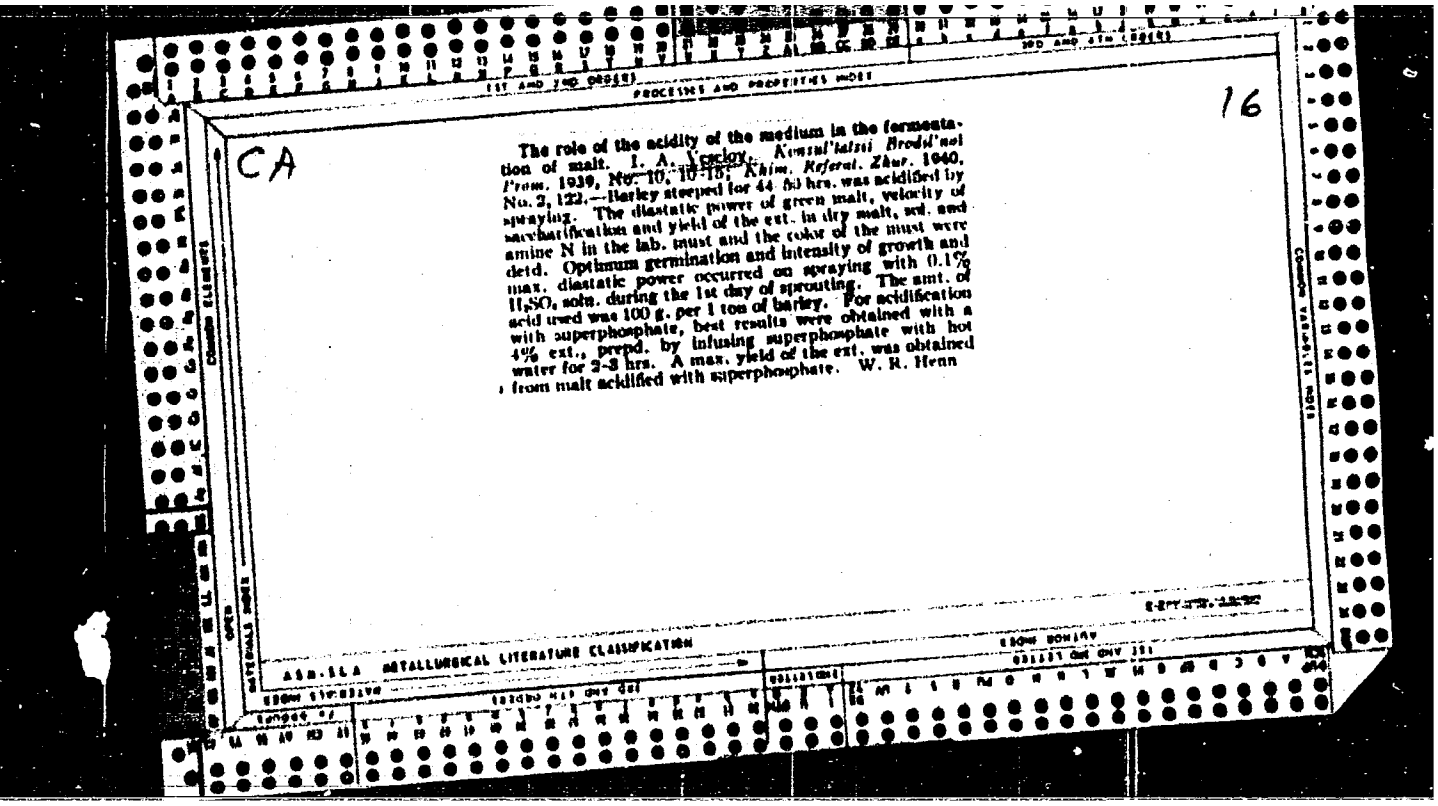
The effect of carbon dioxide on the saccharification of starch by enzymes and inorganic acids. I. Ya. Veselov. *Sbornik Nauch.-Issledovatel. Rabot Sektora Pivovarennoi Prom.* 1939, 111-19; *Khim. Referat. Zhur.* 1940, No. 6, 132-3.— The method proposed by Danilovich for saccharifying starch with CO_2 was verified. Studies of the effect of CO_2 at 8-20 atm., pH 4.2-6.2 and 65 90° on rye flour inactivated with respect to the enzymes indicate that under these conditions no saccharification takes place. The velocity and completeness of the enzymic saccharification of flour starch increase at 8-20 atm. pressure of CO_2, but no complete decompn. of starch to maltose was observed. At higher temps. (145-50°) and at CO_2 pressures of 8-12 atm. the amt. of the sugar formed is inversely proportional to the pH of the medium. At pH 3 up to 82% of starch is hydrolyzed in 1.5 hrs. At lower temps. (50-85°) there was a considerable decrease of the amt. of sugar formed.

This indicates the importance of the exptl. temp. in the saccharification of starch by mineral acids and CO_2. V. concludes that the method of Danilovich does not produce large proportions of sugar from the hydrolysis of starch-contg. substances.

W. R. Henn







CA

16

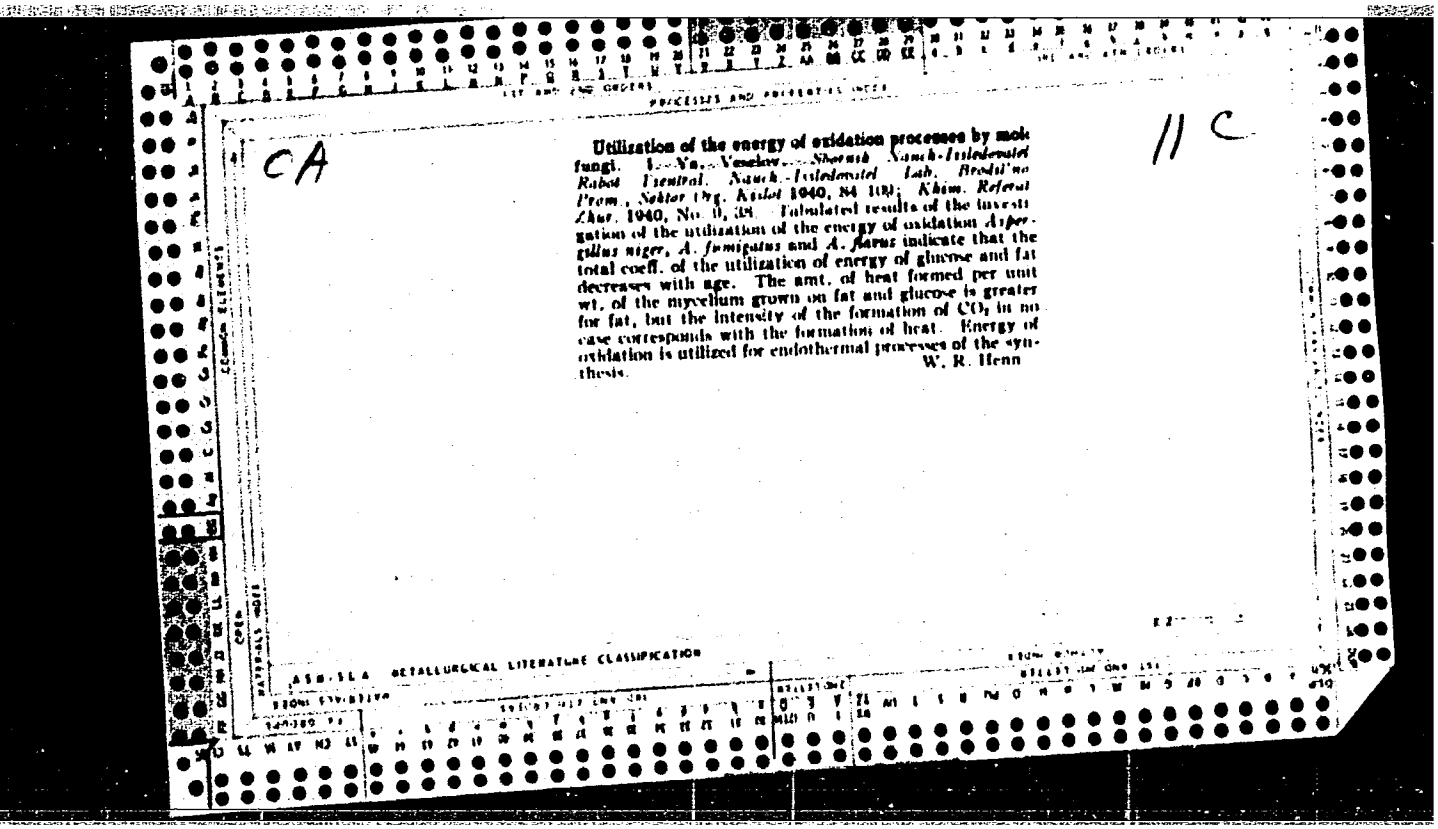
The role of the acidity of the medium in the fermentation of malt. I. A. Yaglov. *Kemul'talsai Brodil'noi Prom.* 1939, No. 10, 10-15; *Khim. Referat. Zhur.* 1940, No. 2, 122.—Barley steeped for 44-50 hrs. was acidified by sprayling. The diastatic power of green malt, velocity of saccharification and yield of the ext. in dry malt, sol. and amine N in the lab. must and the color of the must were detd. Optimum germination and intensity of growth and max. diastatic power occurred on spraying with 0.1% H_2SO_4 soln. during the 1st day of sprouting. The amt. of acid used was 100 g. per 1 ton of barley. For acidification with superphosphate, best results were obtained with a 4% ext., prepd. by infusing superphosphate with hot water for 2-3 hrs. A max. yield of the ext. was obtained from malt acidified with superphosphate. W. R. Henn

16

CA

Steeping unfermented material with acidification. I. A. Veselov, Uspenskaya, Gurfinkel and Lapsheva. *Kon-sul'tsiro-Brodil'nol Prom.* 1939, No. 10, 15-19; *Khim. Referat. Zhur.* 1940, No. 2, 121.—Unfermented barley flour is saccharified in 2 phases. In the 1st phase the splitting of proteins takes place at pH 4.21. At this acidity the velocity of saccharification and the yield of the ext. increase, the conditions for the action of proteolytic enzymes improve and the amt. of N sol. in the mash increases. Acidification with H_2SO_4 produces some gypsum (which improves the quality of wort and beer) and K_2HPO_4 (which sustains the pH value at the most favorable level). The total duration of the 1st phase is 2 hrs. 10 min. In the 2nd phase the saccharification and splitting of the N complex of malt take place. It is carried out with tap water at 37° (pH approx. 7). W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



CA

11 C

Utilization of the energy of oxidation processes by mold fungi. I. Na. Veselov. *Sbornik Nauch.-Issledovatel Rabot Tsentral. Nauch.-Issledovatel Lab. Brodil'no Prom., Sektor Org. Kislot* 1940, 84 118; *Khim. Referat Zhur.* 1940, No. 0, 38. Tabulated results of the investigation of the utilization of the energy of oxidation *Aspergillus niger, A. fumigatus* and *A. flavus* indicate that the total coeff. of the utilization of energy of glucose and fat decreases with age. The amt. of heat formed per unit wt. of the mycelium grown on fat and glucose is greater for fat, but the intensity of the formation of CO_2 in no case corresponds with the formation of heat. Energy of oxidation is utilized for endothermal processes of the synthesis.

W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

VESELOV, I. Ya. Dr. Tech. Sci.

Dissertation: "Thermogenesis and Breathing of Grain in Malt Making." Inst. of National Economy, imeni G. V. Plekhanov, 23 May 47.

SO: Vechernyaya Moskva, May, 1947 (Project #17836)

VESELOV, I. Ya.-author of "On the biochemical changes in grain in the process of malt growing."
SO: Vkusovaia Prom-st' SSSR, No 1, 1948, Unclassified oh

VESELOV, I. YA.

Micro-organisms

Selection and cultivation of industrial microorganisms., Mikrobiologiia., 20, no. 6, 1951.

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

VESELOV, I.Ya.

Energetics of biological synthesis. Biokhimiia 18 no.4:499-503 Jl-Ag '53. (MLRA 6:8)
(Biochemistry)

VESELOV, I.Ya., CHERKASOVA, A.A.

Solubility of carbon dioxide in beer and nonalcoholic beverages and the manometric method for determining it. Trudy VNIIPP no.4:4-15 '54. (MLRA 10:1)

(Carbon dioxide) (Beer) (Bevarages)

VESELOV, I.Ya.; PREOBRAZHENSKIY, A.A.; LITVINOVA, Ye.V.; RAYEVSKAYA, O.G.

Purity of the pitching yeast as a factor in beer stability. Trudy VNIIPP no.4:22-32 '54. (MLRA 10:1)
(Yeast)
(Beer)

VESELOV, I.Ya.; LITVINOVA, Ye.V.; RAYEVSKAYA, O.G.

Using 131K yeast culture for the production of velvet [dark] beer.
Trudy VNIIPP no.4:48-51 '54. (MLRA 10:1)
(Beer) (Yeast)

VESELOV, I. Ya.

The rate of yeast metabolism during the period of beer fermentation. I. Ya. [illegible] and V. M. [illegible]. *Trudy Vsesoyuz. Nauch.-Issledovatel. Inst.* [illegible] 1954, No. [illegible]; [illegible] 1955, No. [illegible]. [illegible] fermentation by yeasts is not regarded as a simple process of energy exchange, since the products of fermentation are utilized in the synthesis of proteins and N-free substances in the process of yeast proliferation. When radio-labeled glucose was supplied, 60% of the radioactivity was detected in the proteins and amino acids of the yeast cells. When radio-labeled acetaldehyde was added to the fermenting substrate together with unlabeled glucose, radioactivity was detected in the amino acids of the autolyzed cells, leading to the conclusion that acetaldehyde participates in the synthetic processes. A study of the liberation by yeasts of P^{32} into the substrate during the process of fermentation indicates that P exchange proceeds at the rate of 1.8% of its content in the yeasts per day.

B. S. Levine

(1)

Veselov, I. Ya.

Catalase and peroxidase activity of beer during the process of fermentation and aging. I. Ya. Veselov and V. M. Levacheva. *Trudy Vsesoyuz. Nauch. Issledovatel. Inst. Pivovar. Prom.* 1954, No. 4, 66–72; *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 6650.—The raw components of beer, barley, malt, and, to a lesser degree, hops contain a considerable amt. of catalase and peroxidase which find their way into the fermenting mass. During boiling these enzymes become inactivated. Green and aged beer contain a slight amt. of catalase originating from the yeasts, but peroxidase is entirely absent. The introduction of malt husks, which are rich in catalase and peroxidase into the fermenting wort, affects the fermentation process favorably. The addn. of 1% of malt husks hastens the process of fermentation, lowers the aldehyde content of the green beer, extends the period of 2,6-dichlorophenolindophenol decoloration apparently due to the presence of reducing substances, and hastens the process of beer ripening. B. S. Levine

VISHLOV, I.Ya.; ZANECHENKO, V.A.

Removal of volatile reducting substances during barley malting.
Trudy VNIIPP no.4:106-107 '54. (MLRA 10:1)
(Barley) (Reduction, Chemical) (Brewing)

VESELOV, I. Ya.

ZENCHENKO, V.A.; VESELOV, I.Ya.

Transformation of pentosans during barley malting. Trudy VNIIPP no.4:108-116 '54. (MLRA 10:1)
(Barley) (Pentosans)

VESELOV I YA

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Rasvitiye pivovarennoy promyshlennosti SSSR
(Development of the beer brewing industry of the USSR, by)
I. Ya. Veselov (i) A. A. Shatkhan.
Moskva, Fishchepromizdat, 1955.
189, (3) illus., diagrs., tables.
"Ispol'zobannaya Literatura". p. 188-190.

VESELOV, I. Ya. and LEVACHEVA, V.M.

"On the Rate of Secretion of Tagged Phosphorus and Carbon from Yeast Cell Tissues During the Process of Fermentation," edited by A. A. Imshenetskiy, Corresponding Member, Academy of Medical Sciences USSR, Moscow, Publishing House of the Academy of Sciences USSR, 1955, 239 pp

Sum 1467

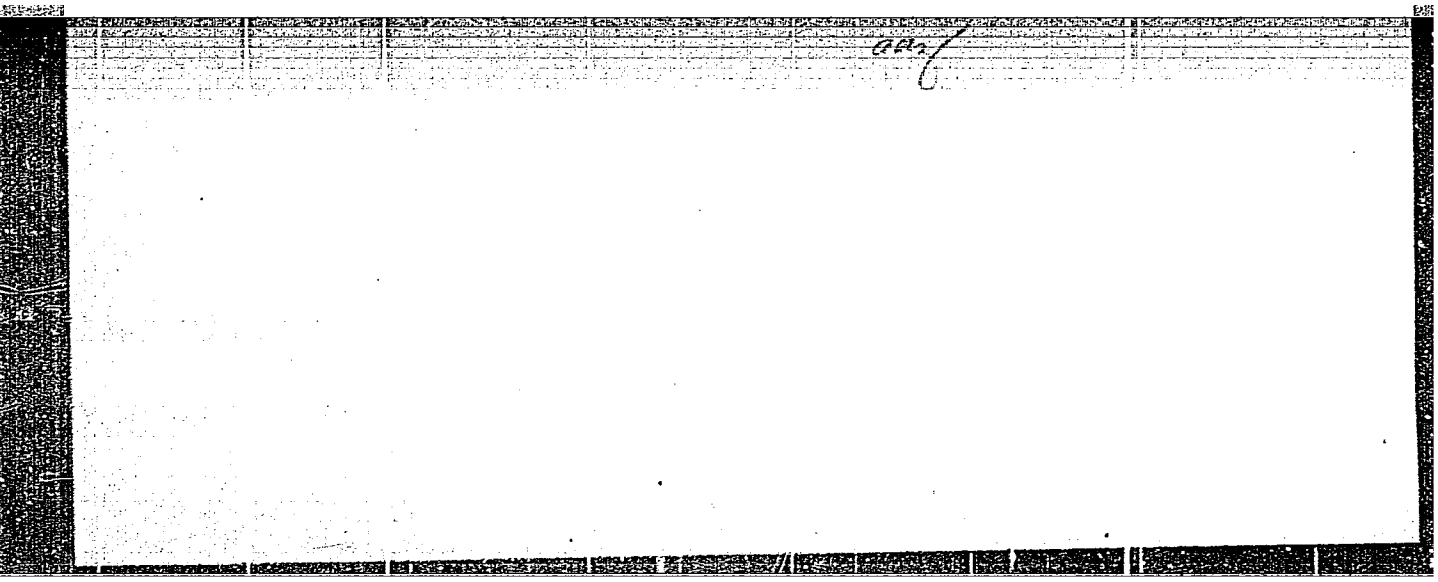
VESELOV, I. YA.

Carbon-14 in the study of the rate of metabolism of substances in yeast and acidophilous bacteria. I. Ya. Veselov, V. M. Levacheva, and E. G. Frolova. *Sessiya Akad. Nauk S.S.S.R. po Mirnomu Ispol'zovaniyu Atomnoi Energii 1955, Zasedaniya Otdel. Biol. Nauk*, 270–87(English summary, 287–8).—Incorporation of C^{14} from labeled glucose, AcH, and AcOH into yeasts was studied. C^{14} enters firmly into the compn. of yeast; during main fermentation when intense fermentation of glucose occurs, no loss of the label to the medium takes place. The loss begins at the period of retardation of the rate of fermentation. Fermentations with *Lactobacillus delbrückii* in labeled glucose results in incorporation of C^{14} into carbohydrates, from which nitrogenous labeled compds. arise; for such fermentation in unlabeled glucose in the presence of C^{14}-labeled nitrogenous compds. (amino acids formed from tracer expts. with yeasts), the relative activity of the N compds. is lower than their activity in the medium. Thus the intermediate carbohydrate metabolites participate in conversion of N compds. of the medium to those within the organism of *L. delbrückii*.

G. M. Kosolapoff

MD

(2)



VESELOV, I.Y., POKROVSKAYA, N. V. RYLKIN, S. S. and SHIL, V. N.

"Certain data concerning the physiology of yeast in fermentation of malt must," a paper submitted at the International Conference on Radioisotopes in Scientific Research, Paris, 9-20 Sep 57.

VESELOV, I. YA.

USSR/Microbiology / Industrial Microbiology.

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19446

Author : Veselov, I.Ya., Shil, V.N.
Inst :
Title : Comparison of Biological Stability and Beer Microflora, Determined by New and Old Methods.

Orig Pub : Tr. Vses. n.-i. in-t pivovar. prom-sti, 1957, No 6, 3-7

Abstract : No abstract.

Card 1/1

USSR / Microbiology. General Microbiology. Physiology and Biochemistry. F

Abs Jour : Ref. Zhur - Biol., No 21, 1958, No 94992

Author : Veselov, I. Ya.; Pokrovskaya, N. V.
Inst : All-Union Scientific-Research Institute of the Brewing Industry.
Title : Influence of Carbohydrates on the Reproduction and Fermentation of Yeasts.

Orig Pub : Tr. Vses. n.-i. in-t pivovar. prom-sti, 1957, vyp. 6, 32-42

Abstract : No abstract.

Card 1/1

VESELOV, I. YA.

USSR/Microbiology - Industrial Microbiology. F-3

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19447

Author : Veselov, I.Ya., Pokrovskaya, N.V., Rylkin, S.S.
Inst :
Title : Participation of CH_3COOH and CO_2 in the Biosynthesis of Brewers' Yeast and Formation by Yeast of Substances Causing Turbidity of Beer on Storage.

Orig Pub : Tr. Vses. n.-i. in-t pivovar. prom-sti, 1957, No 6, 141-149

Abstract : No abstract.

Card 1/1

VESELOV, I.Ya.; KUZNETSOVA, E.G.

Physiological role of the formation of lactic acid by homofermentative lactic acid bacteria. Trudy Inst. mikrobiol. no. 6:61-71 '59. (MIRA 13:10)

1. Institut mikrobiologii AN SSSR.
(LACTIC ACID BACTERIA)

VESELOV, I.Ya.; SALMANOVA, L.S.

Developing the technology of preparation of a beer stabilizer.
Trudy VNIIPP no.7:56-63 '59. (MIRA 13:5)
(Beer) (Fermentation)

VESELOV, I.Ya.; SHIL', V.N.

Propagation of yeasts sown in a minute amount, and their fermenting power in a long series of transplants with deaeration of the wort saturated with carbonic acid. Trudy VNIIPP no.7:82-89 '59. (MIRA 13:5)
(Yeast)

VESELOV, I.Ya.

Current microbiological problems in the field of fermentation industries. Mikrobiologiia 28 no.2:161-164 Mr-Ap '59.
(MIRA 12:5)
(MICRO-ORGANISMS--INDUSTRIAL APPLICATIONS)

MAL'TSEV, Petr Mikhaylovich, prof., doktor tekhn.nauk; VESELOV, I.Ya., prof., retsenzent; SMIRNOV, V.A., prof., retsenzent; KHUDYAKOVA, G.I., red.; KISINA, Ye.I., tekhn.red.

[Technology of the fermentation industries; a general course] Tekhnologiia brodil'nykh proizvodstv; obshchii kurs. Moskva, Pishchepromizdat, 1960. 522 p. (MIRA 13:7)
(Fermentation)

VESELOV, I.Ya.; SALMANOVA, L.S.

Destruction of the cell walls of barely endosperm by a cytase preparation from Trichotecium roseum. Mikrobiologiia 29 no.1: 119-123 Ja-F '60. (MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut pivovarennoy promyshlennosti, Moskva.
(FUNGI chem.)
(CARBOHYDRASES chem.)
(GRAIN)

VESELOV, I. YA. (USSR)

"Intensity of Metabolism in Brewers Yeast in various Conditions of Fermentation."

Report presented at the 5th Int'l Biochemistry Congress, Moscow, 10-16 Aug 1961.

VESELOV, I.Ya., doktor biol.nauk; SHATKHAN, A.S., kand.ekon.nauk; DONSKOV, V.Ye., kand.ekon.nauk, retsenzent; KRUCHININ, V.F., inzh., retsenzent; PRITYKINA, L.A., red.; KISINA, Ye.I., tekhn.red.

[Brewing industry of the U.S.S.R. and prospects for its development] Pivovarennaia promyshlennost' SSSR i perspektivy ee razvitiia. Moskva, Pishchepromizdat, 1961. 236 p. (MIRA 14:4)

(Brewing industry)

DENSHCHIKOV, M.T., red.; BULGAKOV, N.I., red.; VESELOV, I.Ya., red.
VOVK, Ye.A., red.; GLAVINSKIY, D.G., red.; KRUCHININ, V.F.,
red.; CHUKMASOVA, M.A., red.; BELIKOVA,L.S., red.;
SOKOLOVA, I.A., tekhn. red.

[Manual on malt and beer production]Spravochnik po proizvodstvu soloda i piva.Pod obshchei red. M.T.Denshchikova. Moskva,
Pishchepromizdat, 1962. 862. (MIRA 15:11)
(Brewing)

VESELOV, I.Ya.; TIPOGRAF, D.Ya.; YURKOVA, A.I.

Formation of proteolytic ferments in deep grown bacteria. Izv.-vys.ucheb.zav.; pishch.tekh. 2:24-29 '62. (MIRA 15:5)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti, kafedra mikrobiologii.

(FERMENTATION)

VESELOV, I.Ya.; SISETSKAYA, Ye.A.

Acceleration of the fermentation and settling of apple juice and brewer's wort in the presence of preparations of trichothecium roseum fungus. Izv.vys.ucheb.zav.; pishch.tekh. no.3:55-58 '62. (MIRA 15:7)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti, kafedra tekhnicheskoy mikrobiologii.
(Fermentation) (Apple juice) (Wort)

DENSHCHIKOV, Mikhail Tikhonovich, kand.tekhn.nauk; SILIN, P.M., prof., red.; VESELOV, I.Ya., prof., red.; SMIRNOV, V.A., prof., red.; RZHEKHIN, V.P., red.; LEBEDEV, P.P., red.; KOVALENKO, Yu.T., red.; KUPCHINSKIY, P.D., red.; BENIN, G.S., red.; P'YANKOV, A.G., red.; SHNAYDMAN, L.O., red.; MOREV, N.Ye., red.; SHMAIN, M.M., red.; BULGAKOV, N.I., red.; MAYOROV, V.S., red.; TERNOVSKIY, N.S., red.; RAZUVAYEV, N.I., red.; OGORODNIKOV, S.T., red.; BURMAN, M.Ye., red.; KHOLOSTOV, V.A., red.; NAMESTNIKOV, A.F., red.; NASAKIN, T.N., red.; KOVALEVSKAYA, A.I., red.; KISINA, Ye.I., tekhn. red.

[Wastes from the food industry and their utilization] Otkhody pishchevoi promyshlennosti i ikh ispol'zovanie. Izd. 2., dop. i perer. Moskva, Pishchepromizdat, 1963. 615 p. (MIRA 16:6)
(Food industry--By-products)

VESELOV, I.Yu.; KANN, A.G.; GRACHEVA, I.M.

Formation of aldehydes and higher alcohols by yeasts Saccharomyces vini, Sacch. carlsbergensis and Sacch. cerevisiae in the presence of sulfites in the fermented medium. Mikrobiologiia 32 no.4:610-615 Jl-Ag '63. (MIRA 17:6)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

KVASNIKOV, Yevgeniy Ivanovich; KONDO, Galina Frolovna; PIDOPLICHKA, N.M., doktor biol. nauk, retsenzent; UNGURYAN, P.N., zasl. deyatel' nauki i tekhniki Moldavskoy SSR, retsenzent; VESELOV, I.Ya., doktor biol. nauk, retsenzent; PRITYKINA, L.A., red.

[Lactic acid bacteria of wine and the fundamentals of the regulation of their activity] Molochnokislye bakterii vina i osnovy regulirovaniia ikh zhiznedeiatel'nosti. Moskva, Pishchevaia promyshlennost', 1964. 44 p. (MIRA 17:9)

1. Chlen-korrespondent AN Ukr.SSR (for Pidoplichka).
2. Chlen-korrespondent AN Moldavskoy SSR (for Unguryan).

VESELOV, I.Ya.; MIKHAYLOVA, L.Ye.; GRACHEVA, I.M.

Effect of various amylolytic enzymes on the process of corn saccharification. Prikl. biokhim. i mikrobiol. 1 no.3:285-293 My-Je '65. (MIRA 18:7)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

BULGAKOV, Nikolay Ivanovich; VESELOV, I.Ya., prof., retsenzent; GUZENBERG, A.I., inzh., retsenzent [deceased]; SMIRNOVA, M.K., red.

[Biochemistry of malt and beer] Biokhimiia soloda i piva. Moskva, Pishchevaia promyshlennost', 1965. 487 p. (MIRA 18:9)

VESELOV, I.Ya.; TIPOGRAF, D.Ya.; PETINA, T.A.

Aspergillus candidus as producer of abomasal enzyme. Prikl. biokhim. i mikrobiol. 1 no.1:52-56 Ja-F '65. (MIRA 18:5)

1. Tekhnologicheskiy institut pishchevoy promyshlennosti, Moskva.

VASILOV, I.Ya.; [illegible]

Characteristics of malt and barley starch and the rate of its saccharification. Prikl. biokhim. i mikrobiol. 1 no.1:110-114 Ja-F '65. (MIRA 18:5)

1. Tekhnologicheskiy institut pishchevoy promyshlennosti, Moskva.

VESELOV, I.Ya.; GRACHEVA, I.M.; MIKHAYLOVA, L.Ye.; ADYASOV, M.V.

Effect of temperature conditions on the formation of fermentation by-products in beer. Spirt.prom. 29 no.5:13-16 '63. (MIRA 17:2)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti (for Veselov, Gracheva, Mikhaylova). 2. Ostankinskiy pivovarennyy zavod (for Adyasov).

VESELOV, I.Ya.; KANN, A.G.; GRACHEVA, I.M.

Synthesis of amino acids and formation of higher alcohols during fermentation. Ferm. i spirt.prom. 30 no.8:7-11 '64. (MIRA 18:1)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

VESELOV, Ivan Yakovlevich, prof.; CHUKMASOVA, Mariya Alekseyevna, inzh.; OSTAPETS, N.A., retsenzent; ASLANOV, A.Ye., retsenzent; KOVALEVSKAYA, A.I., red.; KISINA, Ye.I., tekhn. red.

[Beer technology] Tekhnologiia piva. Izd.2., dop. i perer. Moskva, Pishchepromizdat, 1963. 450 p. (MIRA 17:1)

VESELOV, K.S.

Facing slabs with tiles made of window glass wastes.
Transp. stroi. 13 no.2:27-28 F '63. (MIRA 16:3)

1. Instruktor Tashkentskoy normativno-issledovatel'skoy stantsii.
(Tiles)

VESELOV, K.S.

Decorative stone plastering. Transp. stroi. 12 no.12:50-51 D '62. (MIRA 16:1)

1. Instruktor peredovykh metodov Tashkentskoy normativno-issledovatel'skoy stantsii Orgtransstroya.
(Dushanbe--Railroads--Stations) (Plastering)

VESELOV, K. YE.

VESELOV, K. YE. -- "Development of Astatic Auartz Gravity Meters." Sub 31 Oct 52, Sci Res Inst of Geophysical and Geochemical Methods of Prospecting. (Dissertation for the Degree of Candidate in Technical Sciences.)

SO: VECHERNAYA MOSKVA, January-December 1952

VESELOV, K.Ye.; LUKAVCHENKO, P.I.; PETROVA, Ye.M.; LOZINSKAYA, A.M., redaktor; KOVALEVA, A.A., vedushchiy redaktor; TROFIMOV, A.V., tekhnicheskiy redaktor

[GAK-3M astatized quarts gravimeter; theory, design and use] Kvartsevyi astazirovannyi gravimetr GAK-eM; teoriia ustroistvo i sposob primeneniia. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1954. 36 p. [Microfilm] (MLRA 8:2)

1. Moscow. Nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki.
(Gravimeters)

VESELOV, K. Ye.

VESELOV, K.Ye.

Use of the second vertical derived gravitational potential in geological interpretation of prospecting on the basis of gravity. Prikl.geofiz. no.11:152-162 '54. (MLRA 8:10)
(Prospecting--Geophysical methods)

VESELOV, K.Ye.

Elementary theory of gravimeters established on the principle of spring balances. Prikl.geofiz. no.12:127-156 '55. (MLRA 8:3)
(Gravimeter)

15-57-5-6834

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5, p 159 (USSR)

AUTHOR: Veselov, K. Ye.

TITLE: The Static Method of Measuring Gravity at Sea by Using an Elastic System of the Rotating Type (O staticheskom sposobe izmereniy sily tyazhesti na more s pomoshch'yu uprugoy sistemy vrashchatel'nogo tipa)

PERIODICAL: Prikl. geofizika, Nr 15, 1956, pp 91-102.

ABSTRACT: The author considers the activity of a vertical disturbing acceleration on the elastic system of a gravimeter with strong damping. He shows that, by using a static gravimeter, the elastic system of which is strongly damped, it is possible to measure gravity at sea aboard ship with a satisfactory degree of precision. For marine measurements, elastic systems of the rotational type are chiefly used because of the small influence of movement on calculating the horizontal component of acceleration.

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A. L.

VESELOV, K.Ye.

Determination of rock density based on well gravimetric measurements. (MLRA 10:8)
Razved. i prom. geofiz. no.16:58-62 '56.
(Rocks--Analysis)

VESELOV, K.Ye.

Use of $\partial g/\partial z$ in gravimetric surveys. [illegible] (MIRA 12:4)
60-71 '58.

(Prospecting--Geophysical methods)

VESELOV, K. Ye.

"With Golomb, V. E., Kalisheva, L. V., Kudymov, B. Ya., Lozinskaya, A. I. Review of P. I. Lukavchenko's "Gravimetric Exploration for Oil and Gas"

p. 245 in book Applied Geophysics, Collection of Articles, No. 19 Moscow, Gostoptekhizdat, 1958, 253pp.

The articles are devoted to a discussion of methods of interpreting various types of electrical logs, methods of determining the porosity, permeability, and specific surface characteristics of water bearing rocks, and methods of determining the physical properties of sidements and the characteristics of various physical parameters. A description of piezoelectric pressure recorders used in seismic exploration is also given.

VESELOV, K.E.

PHASE I BOOK EXPLOITATION 1077

Prikladnaya geofizika; sbornik statey, vyp. 20 (Applied Geophysics; Collection of Articles, v. 20) Moscow, Gostoptekhizdat, 1958. 267 p. 3,000 copies printed.

Sponsoring Agency: Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki.

Ed.: Polshkov, M.K.; Executive Ed.: Kuz'mina, N.N.; Tech. Ed.: Solomonidin, S.M.

PURPOSE: This collection of articles is published for scientific, engineering and technical personnel interested in problems of applied geophysics.

COVERAGE: These articles are concerned with the methodology of interpreting the results of gravimetric, seismic and electrical surveys. A new method of depth finding using ultrasonic principles is described in the article by L.A. Sergeyev. Other articles review the collecting properties of rocks on the basis of data obtained from resistometers and the application of charged particle accelerators in well logging.

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Applied Geophysics; Collection of Articles, v. 20) 1077

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VESELOV, K.E.; GOLOMB, V.M.; KALISHEVA, L.V.; KUDYMOV, B.Ya.; LOZINSKAYA, A.I.

On P.I. Lukavchenko's book: "Gravimetric prospecting for oil and gas." Reviewed by K.E. Veselov and others. Prikl. geofiz. no.19: 245-254 '58. (MIRA 11:4)

(Prospecting—Geophysical methods)
(Lukavchenko, P.I.)

SHOKIN, Panteleymon Fedorovich; BULANZHE, Yu.D., retsenzent; LOZINSKAYA, A.M., retsenzent; VESELOV, K.Ye., retsenzent; KHEYFETS, M.Ye., retsenzent; MAKAROV, N.P., retsenzent; MAKAROV, N.P., retsenzent; ALEKSANDROV, S.Ye., red.; VASIL'YEVA, V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Gravimetry; apparatus and methods for gravity measurements] Gravimetriia; pribory i metody izmereniia sily tiazhesti. Moskva, Izd-vo geodez.lit-ry, 1960. (MIRA 13:5)
(Gravity)

Veselov, K. Ye.

S/006/60/003/008/001/001
B012/B051

AUTHOR: None given

TITLE: Chronicle

PERIODICAL: Geodeziya i kartografiya, 1960, No. 8, pp. 72-77

TEXT: From May 10-14, 1960 the shestoye Mezhduvedomstvennoye soveshchaniye po gravimetrii (Sixth Interdepartmental Conference on Gravimetry) was held in Moscow. It was convened by the geodezicheskaya sektsiya Komiteta geodezii i geofiziki Akademii nauk SSSR (Section for Geodesy of the Committee of Geodesy and Geophysics of the Academy of Sciences USSR) and the Aerogravimetricheskaya laboratoriya Instituta fiziki Zemli AN SSSR (Laboratory for Aerogravimetry of the Institute of Physics of the Earth of the AS USSR). 216 representatives of 64 organizations took part in this conference: production organizations, research centers, testing and construction organizations, educational institutions, and organizations of the Akademiya nauk SSSR (Academy of Sciences USSR), Sibirskoye otdeleniye AN SSSR (Siberian Department of the

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AS USSR), Akademii nauk Ukrainskoy, Gruzinskoy, Litovskoy i Azerbaydzhanskoy SSR (Academies of Sciences of the Ukrainskaya, Gruzinskaya, Litovskaya, and Azerbaydzhanskaya SSR), Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya SSSR (Ministry of Higher and Secondary Special Education of the USSR), Ministerstvo geologii i okhrany nedr SSSR (Ministry of Geology and Preservation of Mineral Resources), Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR (Committee on Standards, Measures, and Measuring Instruments of the Council of Ministers USSR), NII VTS, Gosudarstvennyy Komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (State Committee on Automation and Machine Construction of the Council of Ministers USSR), as well as representatives of the factories of the Moskovskiy sovnarkhoz (Moscow Sovnarkhoz) and the Leningradskiy sovnarkhoz (Leningrad Sovnarkhoz) that produce gravimetric apparatus. 70 lectures were held. I. D. Zhongolovich (Institut teoreticheskoy astronomii AN SSSR (Institute of Theoretical Astronomy of the AS USSR) spoke about the "Experience With Determining Some Parameters of the Gravitational Field of the Earth From Observations of the Second and

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Third Artificial Satellites". S. K. Yanovskiy (VNIIM) spoke about "The Determination of the Absolute Value of Gravitational Acceleration of the Point of VNIIM in Leningrad". K. Ye. Kheyfets spoke about the "High-Precision Pendulum Apparatus of the TsNIIGAiK", V. A. Tulin about "Portable Quartz Clocks", [illegible] about "Questions of Time Recording in Pendulum Measurements", [illegible], T. K. Avrapetyan, and [illegible] about the "Portable Gravimeter-altimeter (GVP-1)", K. Ye. Veselov about the "Design of a High-precision Gravimeter". [illegible] (IFZ AN SSSR (IFZ AS USSR)) about "The Main Working Directions in the Field of Determining Gravitational Acceleration on the Sea", [illegible] about "The Theory of Determining Gravitational Acceleration on the Sea by Means of Gravimeters", [illegible] about "String Sea Gravimeters". [illegible] (TsNIIGAiK) investigated in his lecture tolerable errors already published in reports or submitted for publication by some authors. Among these are papers by [illegible] (L'vovskiy politekhnicheskiy institut (L'vov Polytechnic Institute)), [illegible] (Permskiy Gosudarstvennyy universitet (Perm' State University)), and [illegible] (Leningradskiy Gosudarstvennyy universitet

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Chronicle

S/006/60/000/008/001/001
B012/B051

(Leningrad State University)). L. A. Govorova spoke about "The Errors of Interpolation of Gravity Anomalies and the Accuracy of Determining Gravimetric Deflections of the Vertical", [illegible] ([illegible]) about "Errors of the Representation and Interpolation of Gravitational Anomalies". S. N. Shcheglov reported on "Preliminary Results of Geodetic and Gravimetric Work in the Antarctica", Yu. N. Avsyuk on the "Structure of the Earth Crust in the Antarctica According to Seismo-gravitational Data", S. A. Ushakov on "The Structure of the Earth Crust in the Antarctica According to Gravimetric Data". [illegible] ([illegible]) spoke about the "Preparation and Use of Gravimetric Experts". The recommendations given by the Conference are mentioned. From April 19 to 22, 1960 a Scientific and Technical Conference of the Workers of the Topographic-geodetic and the Surveying Service of the Glavnoye Upravleniye geologii i okhrany nedr pri Sovete Ministrov Ukrainskoy SSR (Main Administration of Geology and Preservation of Mineral Resources of the Council of Ministers Ukrainskaya SSR) was held in Artemovsk. There, the state of the topographic-geodetic and surveying work in the organizations of the Glavgeologiya USSR (Glavgeologiya UkrSSR) and the introduction of new

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techniques and technology in production were discussed. At the Conference it was stated that the extent of the work mentioned will be considerably increased within the next seven years. Furthermore, the following drawbacks were pointed out: The methods applied are too extensive and expensive, the geological organizations are insufficiently equipped with new apparatus; in geological observations the aero-photographs and topographic plans available on a large scale are not sufficiently used. This state is explained by insufficient technical direction, insufficient technical and material supply, by a lack of suitable direction in the Glavgeologiya UkrSSR and the Ministerstvo geologii i okhrany nedr SSSR (Ministry of Geology and Preservation of Mineral Resources of the USSR). Recommendations are given to improve this situation. For improving the qualifications of the workers the Conference suggested to convene scientific and technical conferences at regular intervals. For improving information and for the exchange of experience the editorial board of the present periodical was asked to furnish a section for topographic and geodetic work in geological observations. The participants in the Conference appealed to the workers

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of the topomarksheyderskaya sluzhba Glavgeologii USSR (Topographic and Surveying Service of the Glavgeologiya UkrSSR) to do everything possible in order to carry out the resolutions of the 21st Party Congress of the CPSU and the Plenum of the Central Committee of the CPSU in June.

Card 6/6

9.6160

21531
S/552/60/000/026/003/003

AUTHOR: Veselov, K. Ye.

TITLE: On the Influence of Vertical Accelerations on the Reading of a Sea Gravimeter

SERIAL: Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki. Prikladnaya geofizika. Sbornik statey, no. 26, Moscow, 1960. 107-112

TEXT: In addition to the force of gravity, vertical and horizontal as well as radial and tangential accelerations exert an influence on a strongly damped sea gravimeter placed in a Cardan suspension. Previously it was proposed that under the influence of these accelerations the mobile system of the gravimeter effects small swings so that the cosines of their angles may be assumed to be unity. In this case, under the influence of a sinusoidal acceleration, the mobile system of the gravimeter will effect motions described by linear differential equations of second order. Conclusions: The solution of a nonlinear differential equation has confirmed the author's concept that there exists a systematic influence of sinusoidal vertical acceleration on the readings of a damped sea gravimeter placed in a Cardan suspension. The value of this influence is proportional to the square of the coefficient of dynamism and the squares

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On the Influence of Vertical Accelerations on the Reading of a Sea Gravimeter

21531
S/552/60/000/026/003/003

of the amplitude of vertical acceleration and angular sensitivity. Since the coefficient of dynamism is inversely proportional to the value of angular sensitivity, a change in angular sensitivity will not change the value of the systematic influence of sinusoidal vertical acceleration on the reading of the damped sea gravimeter. The introduction of strong damping makes it possible to hold the arm of the gravimeter on the reading scale and to eliminate almost completely the systematic influence of sinusoidal vertical accelerations on the readings. This influence will continue to drop off, the greater is the damping. There is one figure and three Soviet references.

Card 2/2

VESELOV, Konstantin Yevgrafovich; LOZINSKAYA, A.M., red.; DEMENT'YEVA, T.A., ved. red.; FEDOTOVA, T.G., tekhn. red.

[Quartz astatized gravimeters; theory of the instruments, their design, and use] Kvartsevye astazirovannye gravimetry; teoriia priborov, ikh ustroistvo i rabota s nimi. Moskva, Gos.nauchno-tekhn.izd-vo neft.i gorno-toplivnoi lit-ry, 1961. 175 p. (MIRA 14:12)
(Gravimeter (Geophysical instrument))

S/035/62/000/002/040/052
A001/A101

AUTHORS: Veselov, K. Ye., Yevdokimov, Yu. S., Zhilin, A. V., Telepin, M. A.

TITLE: The gravimetric survey with marine static gravimeters on the Okhotskoye Sea and Pacific Ocean

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 2, 1962, 26, abstract 20160 (V sb. "Prikl. geofizika", no. 29, Moscow, 1961, 136 - 156)

TEXT: The purpose of research was the study of depth structure of the Earth's crust in the transition zone from the Asiatic continent to the Pacific in the region of the Kurilo-Kamchatka island row. The observations were conducted from a moving ship with quartz non-astatisized gravimeters with horizontal filament and liquid temperature compensation, provided with strong damping and mounted on Cardan suspension. The measurements were carried out simultaneously with three gravimeters, two of which were equipped with photorecording devices. The magnitude of a random error in measurements with the group of instruments did not exceed ±1.8 mgal. The accuracy of visual observations was somewhat lower than the accuracy of measurements with photorecording. In processing the results were

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introduced the corrections of Etvoes and Pray (for depth) and anomalies of Fay and Bouguer were then calculated. The density of the intermediate layer was assumed to be 2.65 and water density - 1.03. For all three profiles the curves of gravitational field in Fay reduction almost do not differ from each other. The Okhotskoye Sea is characterized by a weak positive field, a small coastal effect distinctly appears at the Sakhalin shelf. The coastal effect is greater in the zone of the Kuril'skaya arc. In the Ocean the curve of Fay anomalies remains in the region of positive values, which are larger than on the Okhotskoye Sea. The authors calculated for the southern and northern profiles density drops from the upper boundary to the lower one, and the densities proper for three layers in the northern section and four layers in the southern one.

I. Yesakov

[Abstracter's note: Complete translation]

9.6160

40222
S/169/62/000/007/048/149
D228/D307

AUTHOR: Veselov, K. Ye.

TITLE: Development of the high precision ГАК-6М (GAK-6M) gravimeter

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 7, 1962, 27, abstract 7A174 (V sb. Sostoyaniye i perspektivy razvitiya geofiz. metodov poiskov i razvedki polezn. iskopayemykh, M., Gostoptekhizdat, 1961, 410-413)

TEXT: The high-precision GAK-6M gravimeter was developed on the basis of improving the GAK-3M quartz thermostatless gravimeter. In the GAK-6M gravimeter there is a temperature compensator, allowing the curvilinear temperature curve to be compensated. Over a 30-degree range of temperature measurement the temperature coefficient does not exceed 0.3 - 0.5 milligal per degree. The quartz system's thermal insulation was also improved. The angular sensitivity of the GAK-6M resilience system is higher as compared with that of the GAK-3M, and the device's sensitivity threshold equals

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0.005 milligal. The precision of the measuring system's performance amounts to 0.02 milligal. Radioactive material, which substantially decreased the influence of electrostatic charges, was introduced inside the frame of the GAK-6M quartz system. The quartz system's damping was increased, too, by means of a quartz plate, attached to the resilience system's pendulum. The total weight of the GAK-6M gravimeter was decreased in comparison with previous models to 4 kg. Proving and commercial tests of GAK-6M gravimeters showed that the accuracy of a single measurement equals + 0.05 - 0.06 milligal on 5 - 6 hr traverses and + 0.03 - 0.04 milligal on 3 hr traverses. The tests showed, too, that the settling time of the gravimeter's pendulum is very long. This appears to be related to the slow discharge of electric charges, accumulating on the system. [Abstracter's note: Complete translation.]

NEMTSOV, L.D.; VESELOV, K.Yu., red.

[Tables of gravitational effects for calculating gravity anomalies due to three-dimensional bodies of arbitrary shape and size] Tablitsy gravitatsionnykh effektov dlia vychisleniia anomalii sily tiazhesti ot ob"emnykh tel proizvol'noi formy i razmerov. Moskva, Vses. nauchno-issl. in-t geofizicheskikh metodov razvedki, 1962. 105 p. (MIRA 17:7)

VESELOV, K.Ye.; VASIL'YEVA, I.L.; KRAVCHENKO, M.D., red.; BORUSHKO, T.I., red.izd-va; SHMAKOVA, T.M., tekhn. red.

[KVG-1M gravimeter and its working principles]Gravimetr KVG-1M, printsip ustroistva i rabota s nim. Moskva, Gosgeoltekhizdat, 1962. 32 p. (MIRA 16:2)
(Gravimeter (Geophysical instrument))

VESELOV, K. YE.

Dissertation defended for the degree of Doctor of Technical Sciences at the Joint Scientific Council of the Geophysical Institute of the Academy of Sciences USSR -- Earth Physics, Atmospheric Physics, and Applied Geophysics in 1962:

"Development of High-Current Quartz Astatized Gravimeters."

Vest Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

MUDRETSOVA, Ye.A.; VESELOV, K.Ye., nauchn. red.; ANOKHINA, L.A., red.; IVANOVA, A.G., tekhn. red.

[Method of underground gravity prospecting with gravimeters in ore fields] Metodika podzemnykh gravirazvedochnykh rabot s gravimetrami na rudnykh mestorozhdeniiakh. Moskva, M-vo geol. i okhrany nedr SSSR. Otdel nauchno-tekhn. informatsii VIMSa, 1963. 34 p. (MIRA 17:1)
(Prospecting--Geophysical methods)

L 23069-65 EWT(1)/EWG(v) Pe-5/Pg-4/Po-4/Pq-4 GW

ACCESSION NR: AT4049376 S/2552/64/000/049/0120/0126

AUTHOR: Veselov, K. Ye.

TITLE: Measurements in motion of the elements of the gravitational field

SOURCE: Moscow. Vsesoyuzny*y nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki. Prikladnaya geofizika, no. 49, 1964, 120-126

TOPIC TAGS: gravimetry, gravitational field, marine gravimetry, aeria gravimetry, frequency filtering

ABSTRACT: Since three quarters of the earth's surface are under water, gravitational measurements must be often carried out on moving ships or aircraft. The gravitational field in this case must, of course, be separated from variations in motion which act as a kind of perturbation) by means of various devices using large damping o. electrical and other filters. However, in the case of aircraft, their high speeds and irregular changes in altitude make the frequency filtering methods ineffective. Consequently, the author studied ways for separating the effects of the gravitational and acceleration fields based on their different spatial variation. He discovered that, while measuring the second vertical derivative of the gravitational acceleration, the reading of the instrument

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ACCESSION NR: AT4049376

is not affected by the acceleration of objects as long as one uses a compensation method. The present day instruments would permit [illegible] of the third derivative with an accuracy of [illegible] which is of the order of magnitude of the existing anomalies which should be [illegible] would have to be spaced [illegible] improvements could not be [illegible] the intended use in aircraft [illegible] increasing the precision of the [illegible] size of the device but rather by 2 tables. [illegible] art. has: 8 formulas, 2 figures, and

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: ES

NO REF SOV: 000 OTHER: 000

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L 60219-65 EWT(1)/EWG(v) Pe-4/Pe-5/Pq-4/Pi-4 GW

ACCESSION NR: AP5019056 UR/0286/65/000/012/0084/0084

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ABSTRACT: This Author Certificate presents a gravimeter containing an elastic system of a rotary type and a damping mechanism (see Fig. 1 on the Enclosure). To regulate the damping process while the gravimeter is used at rest or in motion, the damping mechanism is made in the form of a frame with two windings. The frame is placed in the field of a permanent